

| Job Risk Analysis | | | | | | | | | | | | | | | | | |
|--|---|--|---------------|--------------------------------------|-------------|--------------------|--------------|-------------------|---------------------------------|---------------|---------------|--------------------|------------|-------------------------------|------------------|------------------|--|
| Name(s) of Risk Team Members: R. Karol, A. Etkin | | | | Point Value → Parameter ↓ | | 1 | | 2 | | 3 | | 4 | | 5 | | | |
| Job Title: RS LOTO Removal for Linac Bending Magnets DH 2 through DH-5 Job Number or Job Identifier: JRA 13b-06 | | | | Frequency (B) | | ≤once/year | | ≤once/month | | ≤once/week | | ≤once/shift | | >once/shift | | | |
| Job Description: Removal of RS LOTO tags in preparation for allowing beam into Booster from Linac | | | | Severity (C) | | First Aid Only | | Medical Treatment | | Lost Time | | Partial Disability | | Death or Permanent Disability | | | |
| Training and Procedures List (optional): C-A Access, RW-1, RS LOTO | | | | Likelihood (D) | | Extremely Unlikely | | Unlikely | | Possible | | Probable | | Multiple | | | |
| Approved by: <i>E. Lessard</i> Date: 1-23-06 Rev. #: 0 | | | | | | | | | | | | | | | | | |
| Stressors (if applicable, please list all): | | | | Reason for Revision (if applicable): | | | | | | Comments: | | | | | | | |
| | | | | Before Additional Controls | | | | | | | | | | After Additional Controls | | | |
| Job Step / Task | Hazard | Control(s) | Stressors Y/N | # of People A | Frequency B | Severity C | Likelihood D | Risk* AxBxCxD | Control(s) Added to Reduce Risk | Stressors Y/N | # of People A | Frequency B | Severity C | Likelihood D | Risk* AxBxCxD | % Risk Reduction | |
| Get RS LOTO key from MCR | Slips and falls on same level | Housekeeping rules, maintenance of walking/working surfaces janitorial services | N | 1 | 2 | 3 | 1 | 6 | | | | | | | | | |
| Get Kirk Key from MCR LOTO lock box in Relay Room above MCR | Slips and falls on same level, fall to lower level, bodily reaction from slip | Housekeeping rules, maintenance of walking/working surfaces janitorial service | N | 1 | 2 | 4 | 1 | 8 | | | | | | | | | |
| Get Kirk Key from MCR LOTO lock box in Relay Room above MCR | Electrical shock | Training, barriers in Relay Room | N | 1 | 2 | 3 | 2 | 12 | | | | | | | | | |
| Drive from B911 to Linac | Vehicle accidents | Licensed drivers, lighting, traffic rules and signs, road maintenance, road signs, seatbelts, vehicle inspection and maintenance | N | 1 | 2 | 4 | 2 | 16 | | | | | | | | | |
| Place Kirk Key in back of power supply and remove Kirk Key for the power supply disconnect switch | Slips and falls on same level | Housekeeping rules, maintenance of walking/working surfaces janitorial services | N | 1 | 2 | 3 | 1 | 6 | | | | | | | | | |
| Place Kirk Key in disconnect switch and turn to permit operation position | Slips and falls on same level | Housekeeping rules, maintenance of walking/working surfaces janitorial services | N | 1 | 2 | 3 | 1 | 6 | | | | | | | | | |

| | | | | | | | | | | | | | | | | |
|---|-------------------|--|----------|---|---|-------------|---|----|---------------|--|--|--|--|--|--|--|
| Drive back to B911 from Linac | Vehicle accidents | Licensed drivers, lighting, traffic rules and signs, road maintenance, road signs, seatbelts, vehicle inspection and maintenance | N | 1 | 2 | 4 | 2 | 16 | | | | | | | | |
| Further Description of Controls Added to Reduce Risk: | | | | | | | | | | | | | | | | |
| *Risk: | 0 to 20 | 21 to 40 | 41-60 | | | 61 to 80 | | | 81 or greater | | | | | | | |
| | Negligible | Acceptable | Moderate | | | Substantial | | | Intolerable | | | | | | | |